BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to Cross roads and drains at Srinivasapura

Agency:-m/s KRIDL

SCHEDULE-B

Sl No	App Qty	Description of work	Approved Rates of m/s KRIDL		
			Unit	Rate in Figures	Rate in Words
1	95	**Removing and refixing** stone slabs of drains and pointing in CM (1:3) (I No-5.33, P No-25)	Sqm	89.42	Rupees Eighty Nine And Paise Forty Two Only
2	981.00	**KSRRB 200-8. Clearing and grubbing road land** including uprooting rank Sqm vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.(I No-18.11, P No-136)	Sqm	7.06	Rupees Seven And Paise Six Only
3	518.31	**KSRRB 300-1. Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)	Cum	180.4812	Rupees One Hundred Eighty And Paise Forty Eight Only
4	78.30	**Providing granite slabs** of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (I No-5.31.1, P No-25)	Sqm	738.9	Rupees Seven Hundred Thirty Eight And Paise Ninety Only
5	154.60	**KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)	Cum	5937.12	Rupees Five Thousand Nine Hundred Thirty Seven And Paise Twelve Only
6	161.60	**KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-13)	Cum	7072.54	Rupees Seven Thousand Seventy Two And Paise Fifty Four Only
7	1231.20	**KSRB 4-6.4 : Providing and removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2	Sqm	344.74	Rupees Three Hundred Forty Four And Paise Seventy Four Only

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	Appx Qty	Description of work	Approved Rates of m/s KRIDL		
			Unit	Rate in Figures	Rate in Words
8	9.70	**KSRB 4.9.2 : Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)	Tn	71310.2	Rupees Seventy One Thousand Three Hundred Ten And Paise Twenty Only
9	461.70	**Providing and Fixing pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	2100	Rupees Two Thousand One Hundred Only
10	26.40	**Providing and Fixing pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	5111	Rupees Five Thousand One Hundred Eleven Only
11	767.93	**KSRRB M300-14. Excavation for roadwork** in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301(P.No. 143, I.No. 19.14)	Cum	138.1236	Rupees One Hundred Thirty Eight And Paise Twelve Only
12	3153.00	**KSRRB 300-Compaction KSRRB 300-58. Compaction** of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 149, I.No. 19.64)	Sqm	5.88	Rupees Five And Paise Eighty Eight Only
13	461	**KSRRB M400-6.1. Construction of granular sub-base** by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material (P.No.155, I.No. 20.4.2)	Cum	1848.44	Rupees One Thousand Eight Hundred Forty Eight And Paise Forty Four Only
14	580.16	**KSRRB M400-17 : Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam** specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.(P.No.158, I.No. 20.18)	Cum	1962.57	Rupees One Thousand Nine Hundred Sixty Two And Paise Fifty Seven Only

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	Approx Qty	Description of work	Approved Rates of m/s KRIDL		
			Unit	Rate in Figures	Rate in Words
15	2578.50	**KSRRB M500-6. Providing and applying primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (P.No.161, I.No. 21.6)	Sqm	30.59	Rupees Thirty And Paise Fifty Nine Only
16	1871	**KSRRB 500-7. Providing and applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (P.No.160, I.No. 21.7)	Sqm	12.94	Rupees Twelve And Paise Ninety Four Only
17	94	**KSRRB M500-17. Providing and laying dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.163, I.No. 21.17.6)	Cum	7903.22	Rupees Seven Thousand Nine Hundred Three And Paise Twenty Two Only
18	101.37	**KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen (P.No.165, I.No. 21.22.6)	Cum	9011.58	Rupees Nine Thousand Eleven And Paise Fifty Eight Only
19	73.80	**KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2015-16)	Cum	6520.72	Rupees Six Thousand Five Hundred Twenty And Paise Seventy Two Only
20	492.00	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No. 22.7)	Sqm	105.89	Rupees One Hundred Five And Paise Eighty Nine Only

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	Qty	Description of work	Approved Rates of m/s KRIDL		
			Unit	Rate in Figures	Rate in Words
21	48.00	**Providing groove cutting** for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement (P.No.177, I.No. 22.7)	mtr	135.31	Rupees One Hundred Thirty Five And Paise Thirty One Only
22	100.80	**KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No.185, I.No. 24.15)	Sqm	602.42	Rupees Six Hundred Two And Paise Forty Two Only

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